

# A NEW TURKISH SPECIES OF HYPERICUM SECT. ARTHROPHYLLUM

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ABSTRACT. *Hypericum pamphylicum* Robson & Davis (Guttiferae) is described from Turkey C3 Antalya, and a key is provided to species of *Hypericum* sect. *Arthrophyllum*, to which it belongs.

*Hypericum* sect. *Arthrophyllum* has consisted hitherto of four species with restricted distributions in the Levant: *H. rupestre* Jaub. & Spach (Turkey: C5, western Içel); *H. cardiophyllum* (Turkey: C6-7, Gaziantep, Urfa; Syria: Darkhush); *H. vacciniifolium* Hayek & Siehe (Turkey: C4-5, eastern Içel); *H. nanum* Poiret (Lebanon, SW Syria). They are all small or dwarf shrubs of limestone rocks or cliffs and have their nearest relative in the Canary Islands and Madeira (*H. canariense* L. sen. lat., sect. *Webbia*). The Turkish species have been treated by N.K.B.R. in *Flora of Turkey* 2: 367-368 (1967).

In 1978 Dr R. D. Cundall photographed a species of *Hypericum* sect. *Arthrophyllum* between Manavgat and Alanya in central Antalya (C3), i.e. farther west than the area of *H. rupestre*. At first the completely perfoliate leaves of this plant led N.K.B.R. to think that it was related to *H. spectabile* Jaub. & Spach (sect. *Hirtella* = sect. *Drosanthe*), but the herbaceous habit and different distribution of the latter species made such a relationship seem unlikely. A closer study of the photograph then suggested that the true affinities of this plant lay with *H. rupestre* and *H. cardiophyllum*. A subsequent collection of this species by Mathew, Baytop & Sütülpinar has confirmed both its affinities with, and its distinctness from, *H. rupestre* and *H. cardiophyllum*. The region in which it was found (Pamphylia) provides a suitable epithet for this new species, which can be distinguished from the other members of sect. *Arthrophyllum* by the characters used in the following key.

## KEY TO SPECIES OF HYPERICUM SECT. ARTHROPHYLLUM

1. Sepals and bracts with marginal reddish to black glands . . . . . 2
- + Sepals and bracts without marginal glands . . . . . 3
2. Leaves free, lanceolate to narrowly ovate or oblong-elliptic, with apex rounded; sepals ovate to oblong,  $\frac{1}{3}$  to  $\frac{1}{2}$  united, with black marginal glands . . . . . *H. rupestre*
- + Leaves perfoliate, almost completely united, broadly ovate to oblong-ovate, with apex acute; sepals lanceolate to narrowly oblong, almost free or up to  $\frac{1}{3}$  united, with reddish marginal glands . . . . . *H. pamphylicum*

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3. Leaves (at least the middle and upper) cordate-amplexicaul; flowers numerous, in dense corymbiform cymes. *H. cardiophyllum*
- + Leaves all cuneate to rounded; flowers few (1-9), solitary or in lax corymbiform cymes . . . . . 4
4. Sepals acute to shortly acuminate, lanceolate; leaves subcoriaceous, with venation not or scarcely prominent; flowers usually 2-9 . . . . . *H. nanum*
- + Sepals rounded to subacute, oblong to ovate; leaves chartaceous, with venation prominent on both sides; flowers usually solitary . . . . . *H. vacciniifolium*

***Hypericum pamphylicum* Robson & Davis, sp. nov.**

*H. rupestri* Jaub. & Spach affinis, sed foliis perfoliatis acutis, sepalis angustioribus minus alte conjunctis, differt.

*Frutex* humilis, c. 14-25 cm altus, ramis decumbentibus. *Caules* teretes, primo pallide virides vel rubicundi deinde cinereis cortice sulcato persistente. *Folia* perfoliata jugis fere omnino conjuncta; lamina 1.8-3.5 × 1.4-3.5 cm, late ovata vel late oblongo-ovata, apice acuta margine integra plana basi haud vel vix angustiora, subcoriacea, plusminusve glauca, infra vix pallidiora, nervis lateralibus, 3-4-jugis, venatione tertia densissime reticulata, glandulis pellucidis dense instructis. *Inflorescentia* 5-20-florata, corymbiformis, e 3-4 nodis orta; bracteis 1.5-2 mm longis, lanceolato-subulatis, rubroglanduloso-denticulatis. *Sepala* 5, inaequalia, fere libera vel usque ad 1/3 conjuncta, 3-3.5 × 0.7-1 mm, lanceolata vel anguste oblonga, apice obtusa vel rotundata, margine rubro-glanduloso-denticulata, 5-nervata glandulis pellucidis linearibus instructa. *Petala* 5, lutea, c. 12 × 3 mm, anguste oblanceolata, integra, post anthesin persistentia, glandulis pellucidis lineariformibus sed haud glandulis nigris instructis. *Stamina* 3-fasciculata, 21-26, eis longioribus c. 14 mm longa, antheri glandula pellucida, post anthesin persistentia. *Ovarium* 3 × 1.5 mm, anguste ovoideum, trisulcatum; styli 3, 10 mm longi, anguste patulo-incurvati; stigma capitatum. *Capsula* matura adhuc ignota.

Type. Turkey C3 Antalya: Alarahan, 7 km inland from coast road between Manavgat and Alanya, on limestone rocks in crevices beneath castle, 100 m, 11 v 1979, B. Mathew, T. Baytop & N. Sütülpinar 9599 (BM, holo.; iso. E, K, ISTF—ult. n.v.).

ACKNOWLEDGMENTS

Our thanks are due to Dr R. D. Cundall, whose photograph of *H. pamphylicum* made us aware of its existence, and to Brian Mathew and his Turkish colleagues, whose collection of the plant has enabled us to describe this fascinating species.